

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/774,191 <b>Examiner</b>	SITES, RICHARD L. <b>Art Unit</b>	
	Huyen X. Vo	2655	

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--*

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to 9/14/2005.
2.  The allowed claim(s) is/are 28-36 and 39-47, now amended 1-18.
3.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All b)  Some\* c)  None of the:
    1.  Certified copies of the priority documents have been received.
    2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

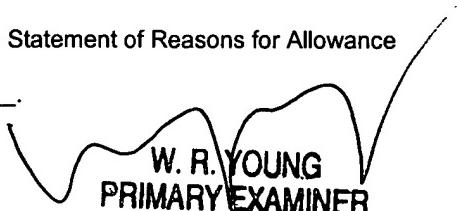
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
  - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

#### Attachment(s)

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application (PTO-152)
6.  Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other \_\_\_\_\_.



W. R. YOUNG  
PRIMARY EXAMINER

**DETAILED ACTION**

**EXAMINER'S AMENDMENT**

**1. Claims 28-36 and 39-47 have been renumbered as follows:**

Claims 28-36 have been renumbered as 1-9, respectively.

Claims 39-47 have been renumbered as 10-18, respectively.

***Allowable Subject Matter***

2. Renumbered claims 1-18 are allowed over prior art of record. The following is an examiner's statement of reasons for allowance: Johnson (US 5465309) discloses a method and apparatus for improving an OCR process for recognizing unidentified characters through the creation of sets of like unidentified characters in a scanned image, deducing what the unidentified characters are with a spell checking procedure and replacing only those unidentified characters which are unambiguously determined. The order for identifying characters is strategically performed so the unidentified characters, which are easier to recognize are processed before those that are more difficult to recognize. As characters become identified, relationships defined by corresponding sets allow replacing the same character in related but different textual components. As characters become recognized, other characters become more recognizable by virtue of belonging to the same textual component, such as a word, or to a related textual component such as another word containing the same character (*referring to Johnson reference*). Ueda (US 5634094) teaches a text processing apparatus allowing a line-end process to be performed easily, namely the division of a

line-end word and hyphening. If a word at the end of a line exceeds the area of display or printing, the word is automatically transferred to a next line, but a part of the word that can be returned to the end of the original line is identified, and the operator can insert a hyphen after that part. Upon insertion of the hyphen, the above-mentioned part is returned to the end of the original line, and the remaining part of the word is displayed on the next line. In this manner the hyphenating of line-end word is made easy to perform on the display, and printing can be obtained in the form as displayed (*referring to Ueda reference*). Both Johnson and Ueda fail to specifically disclose the steps of identifying a word containing an end-of-line hyphen to determine if the identified word contains a soft-hyphen or a hard-hyphen by comparing the identified word to hard-hyphenated words stored in the dictionary. Thus, renumbered claims 1-18 are allowed over prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Huyen X. Vo whose telephone number is 571-272-7631. The examiner can normally be reached on M-F, 9-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wayne Young can be reached on 571-272-7582. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HXV

11/16/2005

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W. R. YOUNG  
PRIMARY EXAMINER

A handwritten signature of "W. R. YOUNG" is written over a stylized, wavy line that resembles a checkmark or a flourish. Below the signature, the words "PRIMARY EXAMINER" are printed in capital letters.